

L Number	Hits	Search Text	DB	Time stamp
45	58	56/\$.ccls. and trimmer and universal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 18:11
51	273	56/\$.ccls. and trimmer and "electric motor"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 18:11
173	119	56/\$.ccls. and ("lower handle" or "second handle")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 18:42
174	83	56/\$.ccls. and ("lower grip" or "second handle")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 18:48
175	1397	(56/12.5,12.7,13.6,17.1,).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 18:49
-	569	(56/12.7).CCLS.	USPAT	2002/08/09 14:38
-	130	((56/12.7).CCLS.) and wheel	USPAT	2002/08/08 10:29
-	22	"trimmer" and "weed" and "pivot" and (wheel or roller)	USPAT	2002/08/08 15:08
-	519	"trimmer" and "pivot" and (wheel or roller)	USPAT	2002/08/08 15:09
-	38	"trimmer" and "pivot" and "weed"	USPAT	2002/08/08 15:13
-	688	"universal joint" and bracket and pivot and handle	USPAT	2002/08/08 15:14
-	2	"universal joint" and bracket and "dual pivot" and handle	USPAT	2002/08/08 15:15
-	15	"universal joint" and "dual pivot"	USPAT	2002/08/08 15:17
-	2375	"universal joint" and bracket and pivot	USPAT	2002/08/08 15:19
-	36739	56/\$.ccls.	USPAT	2002/08/08 16:24
-	416	56/\$.ccls. and "universal joint"	USPAT	2002/08/08 16:24
-	1	("2514278").PN.	USPAT	2002/11/14 10:11
-	0	2514278.URPN.	USPAT	2002/11/14 10:10
-	0	2514278.URPN.	USPAT	2002/11/14 10:10
-	1	("2796715").PN.	USPAT	2002/11/14 10:12
-	6	2796715.URPN.	USPAT	2002/11/14 10:11
-	1	("0456472").PN.	USPAT	2002/11/14 10:14
-	1	456472.URPN.	USPAT	2002/11/14 10:12
-	56	(56/12.5).CCLS.	USPAT	2002/11/14 10:15
-	438	(56/13.6).CCLS.	USPAT	2002/11/14 10:17
-	193	(56/17.1).CCLS.	USPAT	2002/11/14 10:17

-	45	("2909021" "2930176" "2934875" "2946172" "3106251" "3441089" "4122601" "4179805" "4182100" "4389836" "4391041" "4442659" "4505040" "4531350" "4704849" "4756147" "4879869" "4922694" "4936886" "5092112" "5222750" "5263303" "5279102" "5303532" "5408816" "D359291" "5450715" "5603205" "5613354" "5626006" "5697453" "5771670" "5802724" "5829236" "5836142" "5850882" "5884462" "5966914" "5970694" "6003611" "6009694" "6062318" "6065275" "6085503" "6213677").PN.	USPAT	2002/11/14 14:53
-	375	"universal joint" and wheel and caster	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/09 17:56
-	127	"universal joint" and wheel and caster and handle	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/09 18:05
-	337	"universal joint" and wheel and caster	USPAT	2003/04/09 18:05
-	218	("universal joint" and wheel and caster) not ("universal joint" and wheel and caster and handle)	USPAT	2003/04/09 18:22
-	3074	"universal joint" and handle	USPAT	2003/04/09 18:06
-	15967	"universal joint"	USPAT	2003/04/09 18:06
-	7492	"universal joint" and wheel	USPAT	2003/04/09 18:06
-	119	"universal joint" and wheel and caster and handle	USPAT	2003/04/09 18:07
-	337	"universal joint" and wheel and caster	USPAT	2003/04/09 18:07
-	416	"universal joint" and caster	USPAT	2003/04/09 18:22
-	79	("universal joint" and caster) not (("universal joint" and wheel and caster) or ("universal joint" and wheel and caster and handle))	USPAT	2003/04/09 18:26
-	1360	"universal joint" and (mop or broom or sweep or vacuum)	USPAT	2003/04/09 18:26
-	970	"universal joint" and (mop or broom or vacuum)	USPAT	2003/04/09 18:26
-	940	"universal joint" and (mop or vacuum)	USPAT	2003/04/09 18:26
-	53	"universal joint" and mop	USPAT	2003/04/09 18:30
-	895	"universal joint" and vacuum	USPAT	2003/04/09 18:30
-	38	"universal joint" and vacuum and caster	USPAT	2003/04/09 18:33
-	1884	"universal joint" and bevel	USPAT	2003/04/09 18:33
-	1418	"universal joint" and "bevel gear"	USPAT	2003/04/09 18:33
-	9	"universal joint" and "bevel gear" and trimmer	USPAT	2003/04/09 18:33
-	375	"universal joint" and wheel and caster	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/09 18:55
-	111	"universal joint" and vegetation	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/09 18:55

-	10	("2608043" "4182100" "4442659" "4531350" "4688376" "4704849" "4922694" "5092112" "5095687" "5279102").PN.	USPAT	2004/01/22 17:06
-	14	5408816.URPN.	USPAT	2004/01/22 17:07
-	45	("2909021" "2930176" "2934875" "2946172" "3106251" "3441089" "4122601" "4179805" "4182100" "4389836" "4391041" "4442659" "4505040" "4531350" "4704849" "4756147" "4879869" "4922694" "4936886" "5092112" "5222750" "5263303" "5279102" "5303532" "5408816" "D359291" "5450715" "5603205" "5613354" "5626006" "5697453" "5771670" "5802724" "5829236" "5836142" "5850882" "5884462" "5966914" "5970694" "6003611" "6009694" "6062318" "6065275" "6085503" "6213677").PN.	USPAT	2004/01/22 17:10
-	45	("2909021" "2930176" "2934875" "2946172" "3106251" "3441089" "4122601" "4179805" "4182100" "4389836" "4391041" "4442659" "4505040" "4531350" "4704849" "4756147" "4879869" "4922694" "4936886" "5092112" "5222750" "5263303" "5279102" "5303532" "5408816" "D359291" "5450715" "5603205" "5613354" "5626006" "5697453" "5771670" "5802724" "5829236" "5836142" "5850882" "5884462" "5966914" "5970694" "6003611" "6009694" "6062318" "6065275" "6085503" "6213677").PN.	USPAT	2004/01/23 14:15
-	0	976313.URPN.	USPAT	2004/01/23 14:38
-	10	("2564201" "2673366" "2790292" "3774379" "3788049" "4043101" "4127938" "4224784" "4463493" "4531350").PN.	USPAT	2004/01/23 14:48
-	20	4704849.URPN.	USPAT	2004/01/23 14:49
-	10	("2608043" "4182100" "4442659" "4531350" "4688376" "4704849" "4922694" "5092112" "5095687" "5279102").PN.	USPAT	2004/01/23 16:08
-	14	5408816.URPN.	USPAT	2004/01/23 16:08
-	14	5408816.URPN.	USPAT	2004/01/23 16:10
-	20	4704849.URPN.	USPAT	2004/01/23 16:11
-	10	("2608043" "4182100" "4442659" "4531350" "4688376" "4704849" "4922694" "5092112" "5095687" "5279102").PN.	USPAT	2004/01/23 17:15
-	14	5408816.URPN.	USPAT	2004/01/23 17:28
-	9	("3828392" "4182100" "4287709" "4411126" "4688376" "4756147" "4845929" "4922694" "5095687").PN.	USPAT	2004/01/23 17:30
-	7	5287683.URPN.	USPAT	2004/01/23 17:31
-	6	("3788049" "4182100" "4442659" "4531350" "4688376" "4704849").PN.	USPAT	2004/01/23 17:41
-	26	5092112.URPN.	USPAT	2004/01/23 17:41
-	5	("4077191" "4343139" "4389836" "4411126" "4512143").PN.	USPAT	2004/01/23 17:43

-	32	4688376.URPN.	USPAT	2004/01/23 17:43
-	11	("3664102" "3815234" "3826068" "4024635" "4095338" "4136446" "4169311" "4183138" "4249311" "4250623" "4271595").PN.	USPAT	2004/01/23 17:45
-	27	4356686.URPN.	USPAT	2004/01/23 17:46
-	3	("3218789" "4097991" "4114269").PN.	USPAT	2004/01/23 17:49
-	20	4202094.URPN.	USPAT	2004/01/23 17:49
-	3	("4024635" "4043103" "4068377").PN.	USPAT	2004/01/23 17:50
-	9	4137694.URPN.	USPAT	2004/01/23 17:51
-	10	("2564201" "2673366" "2790292" "3774379" "3788049" "4043101" "4127938" "4224784" "4463493" "4531350").PN.	USPAT	2004/01/23 17:51
-	20	4704849.URPN.	USPAT	2004/01/23 17:51
-	5	("2608043" "4848746" "4924573" "5558057" "5651418").PN.	USPAT	2004/01/23 17:52
-	1	6260278.URPN.	USPAT	2004/01/23 17:52
-	6	("3561199" "3977078" "4182100" "4343139" "4389836" "4411126").PN.	USPAT	2004/01/23 17:53
-	29	4531350.URPN.	USPAT	2004/01/23 17:54
-	11	("4182100" "4442659" "4531350" "4688376" "4704849" "4879869" "5092112" "5222750" "5408816" "5450715" "5836142").PN.	USPAT	2004/01/23 17:55
-	6	5970694.URPN.	USPAT	2004/01/23 17:56
-	9	("3018602" "3996726" "4018037" "4389836" "4688376" "4879869" "4936886" "5313770" "5408816").PN.	USPAT	2004/01/23 17:57
-	10	5771670.URPN.	USPAT	2004/01/23 17:57
-	20	("D175262" "1013605" "2038697" "2235045" "2321981" "2531131" "3031207" "3528676" "3547458" "3788662" "3873119" "4222580" "4993726" "5046749" "5088751" "5180179" "5183280" "5185992" "5472220" "5599037").PN.	USPAT	2004/01/23 17:58
-	7	5806867.URPN.	USPAT	2004/01/23 18:07
-	0	20020189221.URPN.	USPAT	2004/01/23 18:07
-	12	2038697.URPN.	USPAT	2004/01/23 18:07
-	4	("3210091" "2481837" "2904345" "D185203").PN.	USPAT	2004/01/23 18:08
-	5	3788662.URPN.	USPAT	2004/01/23 18:09
-	3	("2775857" "3823472" "4023332").PN.	USPAT	2004/01/23 18:09
-	3	4127938.URPN.	USPAT	2004/01/23 18:09
-	11	("1970290" "2038697" "2893044" "3019462" "3102289" "3599272" "3694263" "3896521" "3992747" "4083077" "4164055").PN.	USPAT	2004/01/23 18:10
-	13	4266317.URPN.	USPAT	2004/01/23 18:10
-	3	("2730320" "4182100" "4389836").PN.	USPAT	2004/01/23 18:11

-	45	4442659.URPN.	USPAT	2004/01/23 18:12
-	12	2038697.URPN.	USPAT	2004/01/25 16:45
-	6	("3561199" "3977078" "4182100" "4343139" "4389836" "4411126").PN.	USPAT	2004/01/25 16:47
-	29	4531350.URPN.	USPAT	2004/01/25 16:47
-	5	("4182100" "4531350" "4829755" "4936886" "5626006").PN.	USPAT	2004/01/25 16:50
-	5	("4077191" "4343139" "4389836" "4411126" "4512143").PN.	USPAT	2004/01/25 16:56
-	32	4688376.URPN.	USPAT	2004/01/25 16:57
-	6	("3382653" "3465505" "3702016" "4688376" "4942726" "5090185").PN.	USPAT	2004/01/25 17:01
-	7	5653096.URPN.	USPAT	2004/01/25 17:02
-	10	("2564201" "2673366" "2790292" "3774379" "3788049" "4043101" "4127938" "4224784" "4463493" "4531350").PN.	USPAT	2004/01/25 17:04
-	20	4704849.URPN.	USPAT	2004/01/25 17:05
-	20	("2608043" "2721433" "2812950" "2932526" "3587749" "4182100" "4224784" "4389836" "4411126" "4428183" "4442659" "4512143" "4531350" "4587800" "4688376" "4704849" "4712363" "4735425" "4796415" "4829755").PN.	USPAT	2004/01/25 17:05
-	35	4922694.URPN.	USPAT	2004/01/25 17:06
-	14	("0964178" "1129713" "1219049" "1586294" "1724702" "2761732" "2820642" "3120327" "3134461" "3652014" "3795254" "3931931" "4203609" "4580726").PN.	USPAT	2004/01/25 17:08
-	10	4984746.URPN.	USPAT	2004/01/25 17:08
-	7	("0294211" "0344661" "0345090" "0808739" "0909297" "2518032" "4222580").PN.	USPAT	2004/01/25 17:09
-	11	5088751.URPN.	USPAT	2004/01/25 17:09
-	28	("2638730" "3221481" "3788049" "3977078" "4009560" "4182100" "4224784" "4358123" "4442659" "4512143" "4587800" "4624321" "4679385" "4688376" "4703613" "4704849" "4712363" "4756147" "4796415" "4802327" "4829755" "4845929" "4891931" "4914899" "4922694" "4936886" "4953294" "4981012").PN.	USPAT	2004/01/25 17:10
-	11	5279102.URPN.	USPAT	2004/01/25 17:11
-	15	("4182100" "4411126" "4442659" "4512143" "4531350" "4688376" "4704849" "4756147" "4796415" "4922694" "4936886" "5045615" "5092112" "5233818" "5287683").PN.	USPAT	2004/01/25 17:13
-	0	5850728.URPN.	USPAT	2004/01/25 17:13
-	0	5850728.URPN.	USPAT	2004/01/25 17:13
-	10	("0556616" "0597337" "4182100" "4224784" "5301757" "5317807" "5351762" "5408816" "5626006" "5829236").PN.	USPAT	2004/01/25 17:13

-	1	6009694.URPN.	USPAT	2004/01/25 17:14
-	45	("2909021" "2930176" "2934875" "2946172" "3106251" "3441089" "4122601" "4179805" "4182100" "4389836" "4391041" "4442659" "4505040" "4531350" "4704849" "4756147" "4879869" "4922694" "4936886" "5092112" "5222750" "5263303" "5279102" "5303532" "5408816" "D359291" "5450715" "5603205" "5613354" "5626006" "5697453" "5771670" "5802724" "5829236" "5836142" "5850882" "5884462" "5966914" "5970694" "6003611" "6009694" "6062318" "6065275" "6085503" "6213677").PN.	USPAT	2004/01/25 17:14
-	0	6345489.URPN.	USPAT	2004/01/25 17:16
-	3	("5603205" "5771670" "6260278").PN.	USPAT	2004/01/25 17:16
-	0	6516598.URPN.	USPAT	2004/01/25 17:16
-	25	("4182100" "4411126" "4531350" "4688376" "4704849" "4796415" "4829755" "4873819" "4922694" "5092112" "5313770" "D356583" "5408816" "5467584" "5577374" "5771670" "5791054" "5829236" "5836142" "D402297" "5852876" "5970694" "6050069" "6085503" "6363699").PN.	USPAT	2004/01/25 17:16
-	0	6675565.URPN.	USPAT	2004/01/25 17:17
-	7	D285079.URPN.	USPAT	2004/01/25 17:17
-	11	("D285079" "2608043" "4182100" "4531350" "4688376" "4704849" "4879869" "4922694" "5092112" "5279102" "5317807").PN.	USPAT	2004/01/25 17:18
-	2	D357690.URPN.	USPAT	2004/01/25 17:18
-	16	("D285079" "D356583" "D357690" "4182100" "4411126" "4442659" "4512143" "4531350" "4688376" "4704849" "4796415" "4922694" "4936886" "5092112" "5408816" "5471824").PN.	USPAT	2004/01/25 17:18
-	0	D398615.URPN.	USPAT	2004/01/25 17:19
-	2	2564201.URPN.	USPAT	2004/01/25 17:19
-	15	2608043.URPN.	USPAT	2004/01/25 17:20
-	4	2721433.URPN.	USPAT	2004/01/25 17:21
-	11	3382653.URPN.	USPAT	2004/01/25 17:22
-	14	3587749.URPN.	USPAT	2004/01/25 17:26
-	11	("1482954" "2564201" "2719396" "2763116" "2794308" "2879074" "2882668" "3147987" "3199277" "3624989" "3664099").PN.	USPAT	2004/01/25 17:26
-	8	2763116.URPN.	USPAT	2004/01/25 17:27
-	14	3802173.URPN.	USPAT	2004/01/25 17:29
-	5	("3152431" "2763116" "2898723" "3196971" "2582177").PN.	USPAT	2004/01/25 17:30

-	3	3780504.URPN.	USPAT	2004/01/25 17:31
-	4	2582177.URPN.	USPAT	2004/01/25 17:31
-	8	2898723.URPN.	USPAT	2004/01/25 17:32
-	8	3196971.URPN.	USPAT	2004/01/25 17:33
-	3	("2730320" "4182100" "4389836").PN.	USPAT	2004/01/25 17:34
-	45	4442659.URPN.	USPAT	2004/01/25 17:34
-	5	("3163438" "3881564" "3917922" "4440588" "4447288").PN.	USPAT	2004/01/25 17:39
-	14	4744855.URPN.	USPAT	2004/01/25 17:39
-	11	("1612446" "2392926" "2490947" "4062429" "4358005" "4838396" "4969660" "5178244" "5197579" "5269044" "5339934").PN.	USPAT	2004/01/25 17:41
-	11	5547053.URPN.	USPAT	2004/01/25 17:41
-	22	("1007512" "2864100" "3244437" "4003668" "4524484" "4594824" "4793646" "4904379" "4932176" "5105752" "5209176" "5271682" "5333422" "5336012" "5337989" "5343587" "5387048" "5449100" "5515574" "5591507" "5799357" "5940933").PN.	USPAT	2004/01/25 17:42
-	27	("2523439" "2857725" "2948544" "3382653" "4246677" "4280246" "4321784" "4349937" "4349938" "4368806" "4385414" "4669580" "4706328" "4835952" "4870811" "5020310" "5210998" "5232071" "5269125" "5297379" "5355664" "5463855" "5497856" "5653096" "5799366" "5829096" "5899469").PN.	USPAT	2004/01/25 17:43
-	0	6240713.URPN.	USPAT	2004/01/25 17:45
-	0	6240713.URPN.	USPAT	2004/01/25 17:45
-	30	("2608043" "2721433" "2942397" "3587749" "4125339" "4182100" "4224784" "4287709" "4312178" "4341060" "4343139" "4389836" "4411126" "4428183" "4442659" "4446680" "4463544" "4587800" "4633658" "4679385" "4712363" "4756147" "4796415" "4823542" "4914899" "4922694" "5309701" "5839262" "5970692" "5970694").PN.	USPAT	2004/01/25 17:46
-	17	("2648187" "2848859" "2894761" "2915318" "2938323" "4083168" "4179805" "4224785" "4226021" "4232505" "4259782" "4280319" "4302878" "4389836" "4428183" "4450673" "4531350").PN.	USPAT	2004/01/25 17:47
-	7	4633658.URPN.	USPAT	2004/01/25 17:48
-	0	6370854.URPN.	USPAT	2004/01/25 17:48
-	8	2648187.URPN.	USPAT	2004/01/25 17:49
-	5	("3017733" "2648187" "2862376" "3587749" "3034275").PN.	USPAT	2004/01/25 17:51
-	14	3774379.URPN.	USPAT	2004/01/25 17:51
-	4	2582177.URPN.	USPAT	2004/01/25 17:55

-	23	"4756147"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/25 18:39
-	1382	((56/12.7) or (56/17.1) or (56/12.5) or (56/13.6)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/01/25 18:39